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Form PTO-1449 (adapted)	Docket No.	808-2	Serial No.	08/946,136
	Applicant Albrecht et al			
	Filing Date	7 October 1997	Group	1815

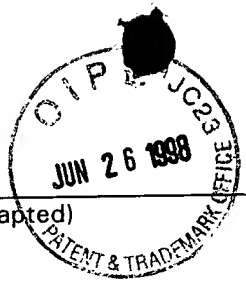
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ISSUE

U.S. PATENT DOCUMENTS

Examiner's Initial	DATE	Document Number	Class/Subclass	Title	Filing Date
<i>Jm 2</i>	<i>P1</i> <i>10/81</i>	4,293,652	435/172	Method of synthesizing DNA sequentially <i>COHEN</i>	25 May 1979
	<i>P2</i> <i>4/92</i>	5,102,785	435/6	Method of gene mapping <i>LIVAK ET AL.</i>	25 April 1988
	<i>P3</i> <i>3/82</i>	4,321,365	536/27	Oligonucleotides useful as adaptors in DNA cloning, adapted DNA molecules, and methods of preparing adaptors and adapted molecules <i>WU ET AL.</i>	19 October 1977
	<i>P4</i> <i>6/92</i>	5,118,605	435/6	Polynucleotide determination with selectable cleavage sites <i>URDEA</i>	29 Sept 1988
	<i>P5</i> <i>10/88</i>	4,775,619	435/6	Polynucleotide determination with selectable cleavage sites <i>URDEA</i>	16 October 1984
	<i>P6</i> <i>3/92</i>	5,093,245	435/91	Labeling by simultaneous ligation and restriction <i>KEITH ET AL.</i>	26 June 1988
	<i>P7</i> <i>12/80</i>	4,237,224	435/68	Process for producing biologically functional molecular chimeras <i>COHEN ET AL.</i>	42-2-80 <i>1-4-79</i>
	<i>P8</i> <i>7/87</i>	4,683,202	435/91	Process for amplifying nucleic acid sequences <i>MULLIS</i>	7-28-87
	<i>P9</i> <i>9/93</i>	5,242,794	435/6	Detection of specific sequences in nucleic acids <i>WHITELEY ET AL.</i>	9-7-93
	<i>P10</i> <i>6/92</i>	5,126,239	435/6	Process for detecting polymorphisms on the basis of nucleotide differences <i>LIVAK ET AL.</i>	3-14-90
	<i>P11</i> <i>4/96</i>	5,508,169	435/6	Indexing Linkers <i>DEUGAU ET AL.</i>	10-28-94
<i>Jm 2</i>	<i>P12</i> <i>4/96</i>	5,503,980	435/6	Positional sequencing by hybridization <i>CANTOR</i>	10-17-94

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Examiner's Initial	ISSUE DATE	Document Number	Class/Subclass	Title	Filing Date
<i>Jmz</i>	P13 8/97	5,658,736	435/6	Oligonucleotide population preparation WONG	1-16-96
	P14 1/98	5,707,807	435/6	Molecular indexing for expressed gene analysis KATO	1-13-98
	P15 4/96	5,512,439	435/6	Oligonucleotide-linked magnetic particles and uses thereof HORNES ET AL.	8-30-96
	P16 9/92	5,149,625	435/6	Multiplex analysis of DNA CHURCH ET AL.	9-22-92
	P17 1/90	4,942,124	435/6	Multiplex sequencing CHURCH	7-17-90
	P18 3/93	5,728,524	435/6	Process for categorizing nucleotide sequence populations SIBSON	2-16-95
	P19 11/94	5,366,860	435/6	Spectrally resolvable rhodamine dyes for nucleic acid sequence determination BERGOT ET AL.	9-29-89
	P20 9/1993	5,552,278	435/6	DNA sequencing by stepwise ligation and cleavage BRENNER	7-25-94
<i>Jmz</i>	P21 2/98	5,714,330	435/6	DNA sequencing by stepwise ligation and cleavage BRENNER ET AL.	6-21-96

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Examiner's Initial		Country and Document Number	Inventor	Title	Publication Date
<i>Jmz</i>	D1	International Application PCT/US92 /01905 (Publ. No. wo92/15712)	Goelet et al	Nucleic acid typing by polymerase extension of oligonucleotides using terminator mixtures	17 Sept. 1992

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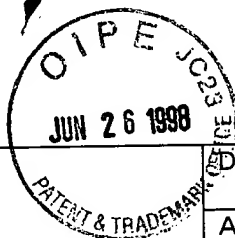


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<i>Jma</i>	D2	European patent appl. 90107066.4 (Publ. No. 0 392 546 A2)	Drmanac and Crkvenjakov	Process for determination of a complete or a partial contents of very short sequences in the samples of nucleic acids connected to the discrete particles of microscopic size by hybridization with oligonucleotide probes	17 October 1990
	D3	France 2 687 851	Gruters et al	Systame et procede de detection d'une sequenca d'acide nucleique selon une methode d'amplification par restriction enzymatique sur phase solide	5-13-94
	D4	European patent appl. 87304433.3 Publ. No. 0 246 864 B1	Carr	Hybridization probes	11-25-87
	D5	European patent appl. 97302313.8 Publ. No. 0 799 897 A1	Schoemaker	Methods and compositions for selecting tag nucleic acids and probe arrays	10-8-97
	D6	PCT/GB95 /00109 WO95/20053	Sibson	Sequencing of Nucleic Acids	7-27-95
	D7	PCT/GB93 /01452 WO94/01582	Sibson	Process for categorising nucleotide sequence populations	1-20-94
	D8	PCT/US95 /12791 WO96/12014	Brenner	Molecular Tagging System	4-25-96
	D9	Eur. Pat. Appl. 88307391.8 0 303 459 A3	Church	Multiplex Sequencing	2-15-89

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	D11	Carrano et al, "A high-resolution, fluorescence-based, semiautomated method for DNA fingerprinting," Genomics, 4: 129-136 (1989)
	D12	Szybalski et al, "Class-IIS restriction enzymes--a review," Gene, 100: 13-26 (1991)
	D13	Kim et al, "Cleaving DNA at any predetermined site with adapter-primers and Class-IIS restriction enzymes," Science, 240:504-506 (1988)
	D14	Szybalski, "Universal restriction endonucleases: designing novel cleavage specificities by combining adapter oligonucleotide and enzyme moieties," Gene, 40: 169-173 (1985)
	D15	Barany, "The ligase chain reaction in a PCR world," PCR Methods and Applications, 1: 5-16 (1991)
	D16	Wu and Wallace, "The ligase amplification reaction (LAR)--amplification of specific DNA sequences using sequential rounds of template-dependent ligation," Genomics, 4: 560-569 (1989)
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	D18	Shoemaker et al, "Quantitative phenotypic analysis of yeast deletion mutants using a highly parallel molecular bar-coding strategy," Nature Genetics, 14: 450-456 (1996)
	D19	Kato, "Description of the entire mRNA population by a 3' end cDNA fragment generated by class IIs restriction enzymes," Nucleic Acids Research, 23: 3685-3690 (1995)
	D20	Kato, "RNA fingerprinting by molecular indexing," Nucleic Acids Research, 24: 394-395 (1996)
Jmz	D21	Broude et al, "Enhanced DNA sequencing by hybridization," Proc. Natl. Acad. Sci., 91: 3072-3076 (1994)

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	D28	Tsiapalis et al, "On the fidelity of phage T4-induced polynucleotide ligase in the joining of chemically synthesized deoxyribooligonucleotides," Biochem. Biophys. Res. Comm., 39:631-636 (1970)
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